

Attorney's Docket No. 002240.P015D

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In re Application of:**

Gary S. Chisholm, et al.

Examiner: Hernandez, O.

Application No.: 09/049,161

Art Group: 3661

Official

Filed: March 26, 1998

FAX RECEIVEDFor: **METHOD AND APPARATUS FOR
PRECISE POSITIONING OF
LARGE STRUCTURES**

JUN 07 2002

Commissioner of Patents
Washington, DC 20231-9998**GROUP 3600****AMENDMENT AND RESPONSE TO THE OFFICE ACTION**

Sir:

In response to the Office Action mailed October 24, 2001, reconsideration of this application is respectfully requested.

FIRST CLASS CERTIFICATE OF MAILING

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on January 23, 2002
Date of DepositGeneva Walls

Name of Person Mailing Correspondence

Signature

January 23, 2002

Date

REMARKS

Reconsideration of this application, as amended, is respectfully requested.

The pending claims recite a precise positioning apparatus which provides a user with a present position, orientation and attitude of a structure. Further, the user is provided with a desired position, orientation and attitude of the structure.

These claims are patentable over the cited references as follows.

I. 35 U.S.C. § 102

The Examiner rejected claim 11 under 35 U.S.C. § 102(e) in light of Anderson et al., U.S. Patent No. 6,032,084 ("Anderson '084"). Anderson '084 does not teach providing a user with a present attitude of a structure. Furthermore, Anderson '084 does not teach providing a user with a desired attitude of a structure. Indeed, Anderson '084 merely provides for utilizing GPS to calculate a feedlot vehicles position as explained at col. 18, ll. 66 to col. 19, ll. 21:

In Differential Mode, each GPS receiver, in addition to monitoring GPS satellite signals, will receive error information transmitted from GPS base station 31 located at some known position. As shown in FIG. 2A2, the GPS base station 31 includes a receiver 86 for monitoring GPS satellite signals transmitted from the GPS satellites. In addition, the GPS base station includes a computer system 87 which has preprogrammed into its memory the precise position at which it is located relative to the global feedlot reference system R.sub.feedlot. The function of the GPS base station computer 87 is to compare its known position (stored in its memory) with its coordinate position computed using the GPS satellite signals. The difference (i.e., error) between (i) the known GPS base station location and (ii) the calculated GPS base station location is used by modem 88 to modulate a carrier signal produced from transmitter 89. This

transmitted error signal is received by the GPS receivers mounted on each feedlot vehicle. Using the received error measure, each such GPS receiver adjusts (i.e., corrects) in real-time its calculated position, thereby overcoming the limitations of the GPS receivers operated in the Stand-Alone Mode.

In contrast, the precise positioning apparatus recited in claim 11 provides for the display of the present position, orientation and attitude of a structure associated with a GPS receiver, and the display of a desired position, orientation and attitude of the structure. Therefore, independent claim 11 is patentable over Anderson '084 under 35 U.S.C. § 102(e). Because independent claim 11 is allowable, dependent claims 12-20 are also patentable over Anderson '084 under 35 U.S.C. § 102(e).

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 1/23 2002



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FACSIMILE TRANSMITTAL SHEET (TRANSMITTAL TO PTO)Deliver to: William A. Chuchlinski, Jr.Firm Name: U.S. PATENT AND TRADEMARK OFFICEFax Number: 703.305.7687 Telephone No.: _____From: Mark McCabeDate: June 6, 2002 Time: 1:27 p.m.Operator: Gayle Jacob Matter: 002240.P015DNumber of pages including cover sheet: 14In Re Patent Application of: Gary S. Chosholm, et al.Application No.: 09/049,161Filed: 3/26/1998For: METHOD AND APPARATUS FOR PRECISE POSITIONING OF LARGE STRUCTURES

Enclosed are the following documents:

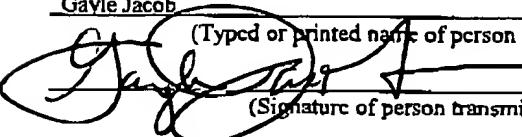
Supplemental Amendment and accompanying documentation.

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OK.

Application No.: 09/049,161 Filing Date: 03/26/98 BSTZ Docket #: 002240.P015D Atty/Sec: TNFMCM/pab
Date Mailed: 03/02/2002 Docket Due Date(s): 05/07/2002 Client: Trimble Navigation Ltd
Title Method and Apparatus for Precise Positioning of Large Structures

Inventor(s) Chisholm, Handshy, O'Meagher, Monroox

The following has been received in the U.S. Patent & Trademark Office on the date stamped herein:

- Amendment: After Final (3 pgs)
 Appeal Brief & two copies (pgs)
 Application:
 ____ pages w/ cover & abstract
 Assignment & Cover Sheet (pgs)
 Certificate of
 Continued Prosecution Application (CPA)
 Declaration & POA (pgs)
 Drawings: ____ sheets, ____ figures
 Express Mail No: ____
 Extension of Time: ____
 Fee Transmittal (original & copy)
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- Information Disclosure Statement & PTO/SB/08 (pgs)
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 Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i)
 Notice of Appeal
 Petition for: ____
 Request for Continued Examination (RCE)
 Reply Brief (pgs)
 Request to Rescind Previous Nonpublication Request
 Response to Notice of Missing Parts & Formalities Letter
 Terminal Disclaimer
 Transmittal of Formal Drawings
 Transmittal of Publication Fee Due
 Transmittal Letter
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TRANSMITTAL FORM

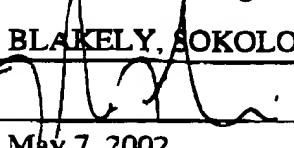
(to be used for all correspondence after initial filing)

		Application No.	09/049,161
		Filing Date	March 26, 1998
		First Named Inventor	Gary Sedman Chisholm
		Group Art Unit	3661
		Examiner Name	Olga Hernandez
Total Number of Pages In This Submission	4	Attorney Docket Number	2240P01SD

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Tarek N. Fahmi, Reg. No. 41,402 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	May 7, 2002

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Serial/Patent No.: 09/049,161

Filing/Issue Date: March 26, 1998

Client: Trimble Navigation Ltd.

Title: METHOD AND APPARATUS FOR PRECISE POSITIONING OF LARGE STRUCTURES

BST&Z File No.: 002240-PO15D

Atty/Secty Initials: TNF/MCM/

Date Mailed: January 23, 2001

Docket Due Date: 1/24/2002

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- Amendment/Response (3 pgs.)
- Appeal Brief (pgs.) (in triplicate)
- Application - Utility (pgs. with cover and abstract)
- Application - Rule 1.53(b) Continuation (pgs.)
- Application - Rule 1.53(b) Divisional (pgs.)
- Application - Rule 1.53(b) CIP (pgs.)
- Application - Rule 1.53(d) CPA Transmittal (pgs.)
- Application - Design (pgs.)
- Application - PCT (pgs.)
- Application - Provisional (pgs.)
- Assignment and Cover Sheet
- Certificate of Mailing (**First Class**)
- Declaration & POA (pgs.)
- Enclosure: Dirs & Org & Copy of Inventor Signed Letter (pgs.)
- Drawings: # of sheets includes figures

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- Response to Notice of Missing Parts
- Small Entity Declaration for Indep. Inventor/Small Business
- Transmittal Letter, in duplicate
- Fee Transmittal, in duplicate

Other: _____



Serial/Patent No.: 09/049,161 Filing/Issue Date: March 26, 1998
 Client: Trimble Navigation Ltd.
 Title: METHOD AND APPARATUS FOR PRECISE POSITIONING OF LARGE STRUCTURES

BST&Z File No.: 002240_P015DDate Mailed: January 23, 2001

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- Assignment/Response (3 pg.)
- Appeal Brief (pg.) (in triplicate)
- Application - Utility (pg. with cover and abstract)
- Application - Rule 1.13(b) Correction (pg.)
- Application - Rule 1.53(b) Divisional (pg.)
- Application - Rule 1.53(b) CIP (pg.)
- Application - Rule 1.53(c) CPA Transition (pg.)
- Application - Design (pg.)
- Application - PCT (pg.)
- Application - Provisional (pg.)
- Assignment and Cover Sheet
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- Express Mail No: _____ Check No. _____
- _____ Month(s) Extension of Time ACE _____
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- Preliminary Amendment (pg.)
- Reply Brief (pg.)
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- Transmittal Letter, is duplicate
- Fee Transmittal, is duplicate

Attorney's Docket No.: 002240.P015DPatentIn re the Application of: Gary S. Chisholm, et al.

(Inventor(s))

Application No.: 09/049,161Filed: March 26, 1998For: METHOD AND APPARATUS FOR PRECISE POSITIONING OF LARGE STRUCTURES

(Title)

COMMISSIONER FOR PATENTS

Washington, D.C. 20231

SIR: Transmitted herewith is an Amendment for the above application.

- Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established by a verified statement previously submitted.
- A verified statement to establish small entity status under 37 C.F.R. §§ 1.9 and 1.27 is enclosed.
- No additional fee is required.

The fee has been calculated as shown below:

	(Col. 1) Claims Remaining After Amd.	(Col. 2) Highest No. Previously Paid For	(Col. 3) Present Extra
Total Claims	*10	Minus **21	0
Indep. Claims	*1	Minus ***3	0

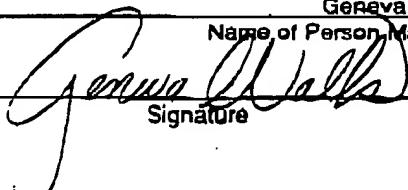
**First Presentation of Multiple
Dependent Claim(s)**

SMALL ENTITY	
Rate	Additional Fee
X9	\$
X42	\$
+140	\$
Total Add. Fee	\$

OTHER THAN A SMALL ENTITY	
Rate	Additional Fee
X18	\$
X84	\$
+280	\$
Total Add. Fee	\$0

- * If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.
- ** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
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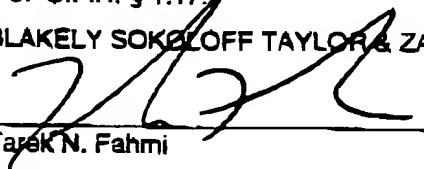
on January 23, 2002
Date of DepositGeneva Walls
Name of Person Mailing Correspondence

 Signature January 23, 2002
 Date

A check in the amount of \$ _____ is attached for presentation of additional claim(s).
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 Any extension or petition fees under 37 C.F.R. § 1.17.

Date: 1/22/02

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